

United Fund Appeal Chairmen Named To Represent Divisions

The basic groundwork plans for the United Fund Drive to begin Thursday, October 1 have been formed. E. A. Bagley, superintendent of Oak Ridge National Laboratory's Finance and Materials Division, is general chairman of Union Carbide's 1964 appeal in Oak Ridge.

In announcing the kick-off, Vice President C. E. Larson emphasized the payroll deduction plan — already the most popular method of participation. Larson stated that UF organizations in all three plants expect to push the 1964 contributions well over the 1963 mark of \$106,000.

Changes Announced

Major changes in the appeal this year are twofold: 1. For the first time the Carbide general staff will be a separate division; and 2. Payroll deduction forms have been redesigned for more effective use, in particular, the 50-cent minimum contribution per month has been removed.

Commenting on the changes in the 1964 Appeal Bagley said, "We feel that they will be helpful to those of us who are responsible for administration, and certainly to our employees who would like to participate."

Divisional representatives in each plant are announced this week.

Y-12's representatives will be as follows:

- E. W. Bailey, Development
- H. N. Benninghoff, Plant Shift Superintendents and Utilities
- O. W. Briscoe, Technical Services
- Ray Ellis, Technical
- D. G. Hill, Maintenance
- W. H. Hubbs, Metal Preparation
- L. F. Koontz, Plant Engineering
- H. A. Price, Assembly
- Corum Scott, Materials and Services
- J. M. Seivers, Industrial Relations
- Bill Thomas, Fabrication

R. P. Waldrop, Accounting and Budget

J. L. Walters, Product Engineering

C. L. Pigott, SS Control, Fund Treasurer

C. R. Harris, Material Control, Fund Auditor

In calling together last week the committee Y-12 Fund Director George Jasny emphasized the changes in this year's Fund appeal. Processed cards were issued to each individual representative, giving records of last year's contributions, where the monies went, and newcomers to the division since last year's drive.

10% Increase Is Hoped

Although no specific goal has been set, Appeal officials are aiming for at least 10 per cent increase over last year's record-breaking figure.

Questions on methods of giving should be directed to the divisional representative. He has been briefed in the technicalities of increased giving, changing counties, ear-marking funds, etc.

Is it worthwhile to give?

Only you can answer that question . . . or really, only your heart can. If you feel a sense of gratification when you help a little boy to walk a little straighter . . . if you find joy in bringing a smile to an old person's face . . . if you feel any compassion at all toward your fellow creatures . . . their welfare and their health . . . if you are thankful for your own and your family's well-being . . . then you can honestly decide whether it is worthwhile or not. **It is up to you!**

UNITED FUND GIVING

In addition to the 'sympathy needs' answered under United giving, there are preventive agencies such as Boy Scouts, and it is one of our most potent character-building agencies. J. Edgar Hoover has said that among hardened criminals, there are none who were ever Boy Scouts in their youth.

6-12259



ROGER F. HIBBS, Y-12 Plant Superintendent, welcomes Atomic Energy Commission visitors to the plant. From left are Joanna E. Schneider, Antoinette Joseph, Gordon Fowler, Irvin C. Bupp, Frank R. Cullaty, from the AEC's Oak Ridge Operations' Production Division, and J. C. Hoyle. The visiting AEC group represented the office of the secretary and the office of the Historian of the Commission, Washington, D. C.

Prep-CPS Course To Be Offered

A special course for secretaries has been scheduled through the University of Tennessee's Evening School. A course in Secretarial and Office Procedures (Office Management 443) will meet on Thursday, from 6:30 p.m. through 9:20 p.m., beginning Thursday, October 1.

Under sponsorship of the Oak Ridge Chapter of the National Secretaries Association, the course is aimed primarily at secretaries working toward the Certified Professional Secretary rating. L. M. Fox, College of Business at UT, will instruct the class. Additional information may be obtained from Nelline Ross, or the UT Evening School Office.

Group Visits Y-12 Facilities From AEC Washington Office

Y-12 hosted a tour last week for a group from the United States Atomic Energy Commission, Washington, D. C. The visiting AEC personnel included Joanna Schneider, Antoinette Joseph, Gordon Flower, Irvin C. Bupp and J. C. Hoyle. Frank R. Cullaty, Production Division of the AEC's Oak Ridge Operations escorted the five to the plant.

Miss Schneider is secretary of the Office of the Historian, AEC; Hoyle, chief of the meeting branch, Office of the Secretary; and Bupp, Fowler and Miss Joseph are members of the meeting branch also.

Functions Of Group

The field visit served to acquaint the AEC members with the day-to-day use of words of their business . . . reactors, flux, etc. Members of the office of the secretary write reports, arrange agendas, and are concerned with virtually every phase of the AEC's operations.

While in Y-12 the tour included stops at the isostatic pressure vessel, and a look at numerical control facilities. The visitors also observed fabrication operations and the Project Rover fuel manufacture. They visited Oak Ridge National Laboratory's

Biology Division while in the plant, and later toured the Oak Ridge Gaseous Diffusion Plant.

Other Tour Sites

After their September 14 early morning visit in Y-12, the group set out for a look at the University of Tennessee-AEC farm facilities and Oak Ridge Institute of Nuclear Studies' programs. C. S. Shoup, Research and Development Division, AEC-ORO, was their guide for the remaining part of the day.

Y-12 Plant Superintendent Roger F. Hibbs began the official visit with a briefing in his office, explaining the varied functions of Y-12, its current programs and projected aims.

Welder Suffers 1964's Fourth Lost-Time Mishap

Y-12's fourth disabling injury of the year occurred Tuesday, September 15. The accident-free period began on July 24, 1964.

In the course of fabricating a heavy steel tank, a welder had tack-welded one end plate in place vertically and was in the process of tacking the other end when the first piece fell over, striking his hand. This resulted in the laceration and fracture of the employee's left hand, and he was hospitalized.

At the time of this accident, the plant had operated 53 days, or approximately 1,664,000 man-hours since the last disabling injury.

AMERICA ON WHEELS

One person of every five in the United States owns an automobile . . . comparing with one of 24 in England, one in 42 in France. In the Soviet Union one of every 294 Russians has a car!



SPEARHEADING THE UNITED FUND DRIVE in Y-12 will be the divisional representatives seen above. Seated from the left, are J. L. Waters, Product Engineering; L. F. Koontz, Plant Engineering; H. N. Benninghoff, Plant Shift Superintendents and Utilities; D. G. Hill, Maintenance; Ray Ellis, Technical; R. P. Waldrop, Accounting and Budget; and W. H. Hubbs, Metal Preparation. Standing are Corum Scott, Materials and Services; Bill Thomas, Fabrication; H. A. Price, Assembly; J. M. Seivers, Industrial Relations; E. W. Bailey, Development; C. R. Harris (Fund Auditor); George Jasny, C. L. Pigott (Fund Treasurer) and O. W. Briscoe, Technical Services. Jasny, superintendent of Technical Division, is heading Y-12's United Fund Drive this year.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

Five Days Or

137,000 Man-Hours

(Unofficial Estimate)

Without A Disabling Injury

Through September 20

Phone 7755

For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



JAMES A. YOUNG Editor

Member Appalachian
Industrial
Editors'
Association

OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
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WEDDINGS



Mr. and Mrs. W. C. Spangler
SPANGLER—LEDFORD

The marriage of Mr. and Mrs. Winford Carter Spangler was solemnized Friday, September 4, at 6 p.m. The rites took place at the First Baptist Church, Oak Ridge, with the Reverend E. W. Galloway officiating.

The bride, the former Miss Omega Rhea Ledford, was given in marriage by her father, Raymond Ledford, retired guard captain from Y-12. (Her mother Helen Ledford is in Y-12's Project Engineering.) The Ledfords live at 100 Pomona Road, Oak Ridge.

The groom is the son of Mr. and Mrs. W. O. Spangler, 754 West Outer Drive, Oak Ridge. He is a graduate (1958) of Oak Ridge High School, and also attended the Tennessee Polytechnic Institute, Cookeville. He spent four years in the United States Navy, and served on the carrier USS Midway.

For her wedding, the bride chose a street length dress of white satin brocade. She wore a pill box hat with a short veil and carried a bouquet of gardenias.

Her sister, Miss Ragena Ledford was her only attendant. She wore a satin brocade dress of



Luther S. Hall

Luther Hall Elected To Roane School Seat

Joins 3 Y-12ers
Already On Board

Another Y-12er is busy in his community as a good citizen. Luther S. Hall, Tool Grinding, was recently elected to the School Board in Roane County, joining three other Y-12ers already serving there.

Hall, a graduate of Oliver Springs High School, is also a veteran of the United States Air Force. He served from 1948 until 1953 with the Air Force, and came to Y-12 June 17, 1954. He is a native of Oliver Springs.

Married to the former Dorothy Sisson, he lives on Spring Street, Oliver Springs. The Halls have a son and daughter, Stanley (nine) and Janley (six), both in the Oliver Springs Elementary School. This is Jan's first year.

Three Y-12ers are already veterans on the school board in the adjacent county . . . Ed Owings, SS Control; R. A. Moore, ORNL Chemical Services; and A. A. Armour, Buildings, Grounds and Maintenance Shops were elected previously to the board.

At the initial meeting of the board this year, Owings was named chairman. Roane County elects a new member every two years to the board.

Secretaries Set Seminar Saturday

A "Seminar for Career Secretaries," sponsored by the Oak Ridge Chapter of the National Secretaries Association, will be held Saturday, September 26. It will be at the Holiday Inn, Oak Ridge, beginning at 9 a.m.

Featured speakers will be Dr. Irene Place, graduate school of business administration, University of Michigan; Dr. Arthur Graham, minister of the Oak Ridge Unitarian Church; and Dr. Robert L. Hickey, speech professor, University of Tennessee.

A panel on "Boss and Secretary—A Management Team" will be moderated by Nelline Ross, ORNL's Thermomuclear Division. Panelists are Dr. Ralph T. Overman, ORINS; E. E. Stokely, AEC-ORO; Marigrace Kirstowsky, ORGDP and Mary Maples, AEC.

T. E. Lane, general superintendent of Industrial Relations for Union Carbide in Oak Ridge will address the seminar participants at the luncheon, given in honor of the Certified Professional Secretaries of 1964.

Registration forms are available from Natalie Tarr, 144 West Gettysburg, Oak Ridge, or Building 4500, ORNL.



Ride wanted, or will join car pool, from California Avenue, to North or Central Portal, straight day. Louise Stoddard, plant phone 7-8241, home phone Oak Ridge 483-7042.

Ride wanted from 13 Ridgeway Drive, Norris, to North Portal, straight day. J. C. Queener, plant phone 7541, home phone Norris 494-7965.

Will join car pool from general vicinity of Holston Hills, Knoxville, to Biology or North Portal, straight day. Sandra Rose, plant phone 7-8441, home phone Knoxville 522-6400.

Ride wanted or will join car pool from Lenoir City to Central Portal, straight day. Joyce Williamson, plant phone 7-8394, home phone Lenoir City 986-2806.

blue, and carried a bouquet of yellow roses.

Mr. Sam Spangler served as his brother's best man.

Mrs. Spangler is a graduate of Oak Ridge High School, and is presently employed at Central Employment.

The couple will make their home in Oak Ridge, where Mr. Spangler is employed with the University of Tennessee - Atomic Energy Commission farm.

Sandra Roland Wins Scholarship Award



Sandra Roland

Miss Sandra Roland, daughter of Mr. and Mrs. James T. Roland, Route 3, Harriman, has been awarded a freshman scholarship at Carson-Newman College, Jefferson City.

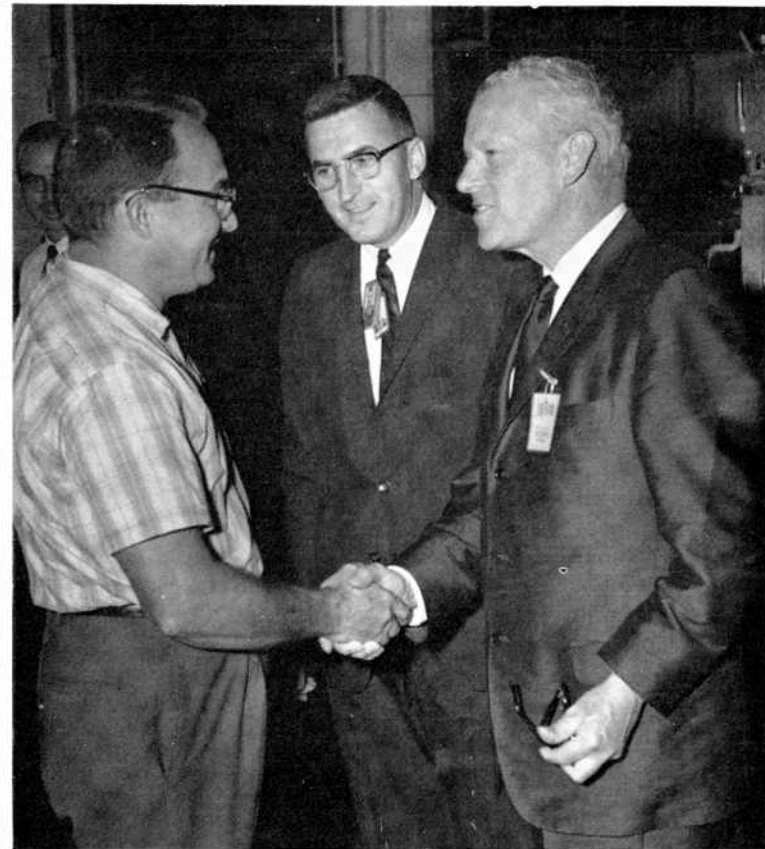
The scholarship announcement was made recently by Dr. D. Harley Fite, president of the Baptist Liberal Arts College.

Sandra, only 17, was an honor graduate of Harriman High School this past May. She has already completed 23 semester hours at Carson-Newman, being enrolled there last summer on the "Early Admissions Program" and this summer as a regular freshman student.

The scholar's father is in Y-12's Process Maintenance.

UNITED GIVING

The first concept of having several fund raising drives combine their efforts into one drive was developed by a rabbi, a priest and a minister many years ago. There has been another concept developed since that has proved to be as economical to carry out, able to do as much for so many, and have the active participation of people from all walks of life in the community.



OLD TIMES ARE DISCUSSED by Bill Gross, Assembly Operations, left, and Senator Albert A. Gore, Tennessee. The two renewed childhood acquaintances during the Senator's September 9 visit in Y-12. Assembly Superintendent K. W. Sommerfeld, center, enjoys the pleasant interlude during the official visit.

Bill Gross Reviews Old Times With Senator Gore In Plant Visit

Senator Albert A. Gore's September 9 visit to Y-12 brought a renewal of a long acquaintance. William E. Gross, Assembly Operations, recalled days when the Senator was school superintendent down in his native Carthage, Tennessee.

An unscheduled interlude in the official visit, the two ex-

changed greetings after long years. As it turned out, the two families had adjoining farms in Smith County.

Gross came to Y-12 April 1, 1961, after serving from July 11, 1945 at the Oak Ridge Gaseous Diffusion Plant.

The sidelight of the visit came as a pleasant surprise to both Gross and the Senator.

ASTME Meeting Is Set Next Week

The Knoxville-Oak Ridge Chapter 107 of the American Society of Tool and Manufacturing Engineers will meet next Thursday, October 1, at the Elks Lodge, Oak Ridge.

Principal speaker will be Clyde A. Sluhan, who will speak on "Industrial Cost Control," as it pertains to the metalworking field, particularly as it is influenced by coolant choice and application.

Sluhan holds a degree in chemistry from Ohio Wesleyan University with specialized work in the colloid field. He has been associated with the textile chemical firm of Stodghill and Company, Atlanta, Georgia, as laboratory director and production supervisor. He also has held various positions with the American Cyanamid Company.

In 1951, Sluhan formed the Master Chemical Corporation, Toledo, Ohio, specializing in products for the metalworking field, for which it develops and produces cutting and grinding coolants under the trade name of "Trim."

His talk will be supplemented by slides and a motion picture.

Another feature of the meeting will be a coffee speaker . . . C. M. West, Radiation Safety. His subject is unannounced.

Dinner which is optional will be served at 7 p.m. and the technical session will begin at 8.

The Elk's Lodge is located on Arkansas Avenue, two blocks from the Turnpike.

Janice McLemore Is 'Temperance Queen'



Janice McLemore

Miss Janice McLemore was elected "Queen of Temperance" at the annual state encampment of the Tennessee Youth Temperance Council held August 11, 14 at Cordova Baptist Camp. She is the daughter of C. P. McLemore, General Machine Shop.

Elected "King of Temperance" was Benny Kay, Jackson.

Miss McLemore was one of 18 delegates attending the Fountain City Youth Temperance Council. She is a sophomore at Clinton High School.

The McLemore home is at Route 2, Hilltop Road, Powell.

Jealousy: Poison envy.

Y-12er Carl Dorr Is All-Carbine Tops

264 Golfers Clash In 3-Plant Tilt

A total of 264 Carbiners vied in the All Carbide Golf Tournament. It was staged Saturday and Sunday, September 19 and 20 at Wallace Hills. Carl Dorr, Y-12, took honors with a two-under-par 70. In scratch play in the first division it was Bruce Isham, ORNL, 74; Bill Maddux, Y-12; and V. J. Meece, ORNL, each with 76; and George Wylie, Y-12; R. L. Cardwell, ORNL, Benny Crass, all with 77.

Handicap-wise it was Frank Kennedy, Y-12, 68; F. K. Clabough, Y-12 and Ken Cook, ORGDP, each with 69; G. W. Green, ORGDP, 70. John Battle, ORGDP, Joe Sawicki, ORNL, and Gary Coleman, ORNL . . . all with 71.

Y-12er Coy Herrell took the hole-in-one contest on number six and Jim George, also of Y-12, came in third. On number 18 it was George again and Clabough second.

SECOND FLIGHT

Scratch winners saw Keith Lard, ORGDP, take top place with 78. John Boggs, ORGDP, had 80 . . . while Tom Munsey, Y-12, scored 81. ORGDP's J. C. Horton counted 82 . . . and E. N. Rogers, Y-12; and W. H. Shimpugh, ORNL, scored 83 each. In handicap tallies it was Eugene Huskisson, Y-12, with 67. "Red" Leach, Y-12, scored 68 . . . and Howard Sullivan, ORGDP and Y-12's W. H. Tedder scored 70 each. B. R. Webb, ORGDP, had 71 . . . and Paul Oser, ORNL, H. E. Trotter, ORNL, and Bob Bullock, ORNL, all scored 73.

Y-12ers Doyle Phillippi and Jack Gamble took holes-in-one honors on six . . . and R. J. Luck, Y-12, took honors on 18 . . . with "Red" Leach in third place.

THIRD FLIGHT

R. A. Armistead, ORNL, capped this flight in scratch count with 86. Keith Brown, ORNL, had 88; Ted Bartlett, ORGDP, 89; and Walter Plunkett, ORNL, R. H. Leonard, ORNL, and Walter Rowley, ORGDP, all scored 90. In handicap play it was Darrell Popke, ORGDP, Gene Moore, ORNL, Dvon Brogan, ORNL, and C. R. Hill, ORGDP, all with 73. C. W. Nelson, Y-12, Hugh Henderson, Y-12, Dave Egner, ORGDP, and W. Wendolkowski, ORGDP all scored 74.

In holes-in-one it was D. G. Lincoln, Y-12, in third place on number six.

FOURTH FLIGHT

Last division players saw Bob Orrison, Y-12, score an 83 scratch . . . M. P. Davis, ORGDP, tally an 87. R. W. Dehoney, Y-12 had 91. D. T. Dice, ORNL, and G. F. Zanolli, ORNL, each had 92 . . . and B. H. Webster, ORNL and B. B. Stanton, Y-12, each had 93. In handicap play it was J. D. Shelton, Y-12, 66; Stan Harris, ORGDP, 68; O. D. Matlock, ORNL, 69; John Kendrick, Y-12; R. G. Jenness, ORNL, and W. L. Coggins, Y-12 all with 71.

Hole-in-one contest on number 18 was taken by Frank Winstead, Y-12.

C Bowling Men Hit Alleys In New Season

Another Y-12 bowling league hit the alleys last Monday, as the C League opened its new season. The Shud-A-Beens took the only sweep of the week, skunking the Lucky Strikes.

Three-point wins went to the Sunflowers over the Strikers, and the Rounders over the Hookers. Splitting two each were the Five Roses-HiLifers, Parbustlers-Rodders and the Big Five-Badgers.

J. W. Halsey, Sunflowers, took initial single highs, rolling a 214 scratch, 232 handicap game. Paul Braden, Sunflowers, took handicap series highs with a 651, and Lew Watson, HiLifers, had a 559 scratch series.

League standings follow:

Team	W	L
Shud-A-Beens	4	0
Sunflowers	3	1
Rounders	3	1
Five Roses	2	2
HiLifers	2	2
Parbustlers	2	2
Rodders	2	2
Big Five	2	2
Badgers	2	2
Strikers	1	3
Hookers	1	3
Lucky Strikes	0	4

'Rube' Called To Toast All His Fellow Workers

William R. 'Rube' Branscome telephoned the Bulletin office recently and wished the following message relayed to his ex-fellow workers.

"To try and say thanks to everyone that was so nice to me is impossible. July 31 was one of the best days of my life. Even though it was on that day I said farewell to some of the best friends I ever had, they made me feel good with their kind expressions of friendship.

"To all my friends in Y-12, I say thanks again," Rube continued, "and give them that old Irish toast . . . May the best days of your past be the worst ones of your future."

FEROCIOUS BEAST

A sign in the Bronx Zoo reads: "The Most Dangerous Animal in the World." Below is another sign which reads: "You are looking at the most dangerous animal in the world. It alone of all the animals that ever lived can exterminate (and has) entire species of animals. Now it has achieved the power to wipe out all life on earth."

Between the two signs hangs a mirror.



TED SCHOLZ, son of K. J. "Joe" Scholz, Secondary Quality Control, is showing his elder's how to fish. Ted says, "If you want to know how to catch fish, just ask me!" He recently pulled this six pound plus monster from a local lake. Quite a pull for an eight-year-old, isn't it?



OLD TIMER BOWLERS line up again for another year of tossing the bomb in the Classic League. At left are the Rippers, seated from left Al Groppe, Paddy Peckman, Jay Holzknicht. Standing are Wayne Groppe and Sterling Ryder. At right are the Eightballs. Seated: Sam Bishop, John Towle and Howard Horne . . . while Frank Marlin and Bob Martin stand. The Classic is Y-12's oldest and biggest bowling league.

Pitt, Asmanes And Allstun Big Skeets

Y-12ers Lead In All Classes

The big news in the Skeet League's latest firing is that Don Pitt missed one! In the AA Class, Charlie Asmanes takes an early lead with a total score of 42 . . . and R. A. Allstun in Class A came up with a 39.

The third firing took place Sunday, September 20, and standings will be brought up-to-date in next week's Bulletin.

Two rounds have been fired in the league thus far . . . and a perfect score is 50.

League standings follow:

CLASS AAA		
Don Pitt, Y-12	49	
F. S. Patton, Y-12	44	
M. C. Wiest, Y-12	24*	
F. G. Welfare, Y-12	24*	
K. W. Bahler, ORGDP	23*	
J. A. Swartout, ORNL	22*	
W. E. Brundage, ORNL	22*	
W. H. Davy, ORGDP	20*	
CLASS AA		
Charlie Asmanes, Y-12	42	
Newt Hamby, Y-12	40	
R. H. McNabb, Y-12	40	
J. M. Case, Y-12	23*	
C. G. Brewster, Y-12	21*	
Bill Sahr, Y-12	18*	
CLASS A		
R. A. Allstun, Y-12	39	
H. D. Wills, ORNL	31	
J. P. Cowen, Y-12	19	
Bill Ebert, Y-12	17*	
Tom Coleman, Y-12	13*	
H. Hammack, Y-12	12*	
Bernard Monroe, Y-12	12*	
Hugo Bertini, ORNL	8*	

*Incomplete scores.

Alley Bees Post Early E Lane Lead

Van Effler, Pintwisters, took all individual highs in E League's bowling last week. He posted individual games of 200 scratch, 249 handicap . . . and series of 511, 658.

The Alley Bees took the only winning three points . . . downing the Foursquares. Splitting two each were the Pintwisters-Hot Shots and the Cannon Balls-Ten Pins.

The Cannon Balls took singles highs with 645 scratch and 819 handicap postings. The Pintwisters had high series, rolling 1782 and 2291.

League standings follow:

Team	W	L
Alley Bees	8	4
Pintwisters	7	5
Ten Pins	6	6
Cannon Balls	5½	7½
Hot Shots	5	7
Foursquares	4½	7½

14-Man Tennis Race Moves Into Back Lap

A round of tennis matches set the Tennis League rolling last week. Ralph Levey moved up in league standings by downing Bob Bass 7-5, 7-5. Sam Campbell defeated Don Legacy 6-4, 6-0.

Roy Huddleston took two matches, first Al Fischer 6-3, 7-5 . . . then D. W. Hackett 6-4, 6-4.

Dick Huber also gained two by knocking off Roy Huddleston 6-2, 4-6, 6-4 . . . and Don Legacy 6-2, 3-6, and 6-3.

John Jones overcame Campbell King 9-7, 6-4.

League standings follow:

Team	W	L
Sam Campbell	6	1
Bill Akers	3	0
Ralph Levey	5	1
John Pridgeon	3	1
Bob Bass	3	2
Ed Del Grande	3	2
D. W. Hackett	3	3
Campbell King	3	3
Dick Huber	2	3
Roy Huddleston	2	5
Don Legacy	1	6
John Jones	0	2
Al Fischer	0	5

Chumps Take Team Mixed Lane Honors

Alley Cats Take Initial 1st Place

Y-12's Mixed League for men and women bowlers got off the ground last week as the eight teams hit the approaches. The only sweep of the week went to the Alley Cats over the Twisters. Three-point wins went to the Blue Angels over the Bingo's . . . the Chumps over the Turtles . . . and the Goofers over the Alley Oops.

Jeanne Cothron, Turtles, took individual honors on the distaff side, posting scores of 172 scratch, 191 handicap in a single game. Ernestine Teeter, Chumps, rolled series scores of 423 scratch, 545 handicap. Elbert Scott, Chumps, took male honors all the way rolling 204, 204, 508, and 574.

The Chumps swept team honors, singles of 652 and 757 . . . series of 1792 and 2216.

League standings follow:

Team	W	L
Alley Cats	4	0
Blue Angels	3	1
Chumps	3	1
Goofers	3	1
Alley Cats	1	3
Bingo's	1	3
Turtles	1	3
Twisters	0	4

Classic Bowlers Tie 3 Ways For Lead

Splinters, Eightballs And Smelters Up There

A three-way tie for first place developed in the Classic League for Y-12 bowlers last week. The Splinters took the Rebels for three, as did the Eightballs over the All Stars, and the Smelters over the Markers. The only four-pointer went to the Wolves over the Bumpers.

Other three-point victories (two games and total pins) went to the Playboys over the Tigers, the Swingsters over the Wasps, the Has Beens over the Screwballs, and the Rippers over the Cubs.

George Cantrell, Swingsters, took scratch honors, rolling a single of 233, a series of 611. Ken Valentine, Playboys, took handicap highs, with a single of 263 and a series of 644.

The Rippers ripped the boards on singles, rolling singles of 879 scratch, and 1057 handicap. Series highs went to the Splinters with 2478 scratch . . . and to the Wolves who rolled a handicap se-

League standings follow: ries of 2956.

Team	W	L
Splinters	9	3
Eightballs	9	3
Smelters	9	3
Markers	8	4
Playboys	7	5
Bumpers	6	6
Wasps	6	6
Tigers	6	6
Swingsters	6	6
Has Beens	6	6
Rippers	6	6
Wolves	6	6
Screwballs	5	7
All Stars	3	9
Rebels	2	10
Cubs	2	10

Bush League Urgently Needs Another Team!

The Bush League is in urgent need of one team to begin bowling. Bush bowlers hit the alleys every Monday, and hope to get underway next Monday, September 28 . . . or October 5 at the latest.

Call Recreation, 7109, if you want on a team or wish to enter one in the Monday night league.

ALL EARS AND EYES

There are an estimated 214 million radios and 60 million TV sets in American homes.

Any gal who knows how to cook can find a male who knows how to eat.



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UNION CARBIDE



Congratulations to late September celebrants of Union Carbide Corporation anniversaries.

20 YEARS

Madeline S. Franklin, SS Control Department, September 24.
Beatrice M. Cameron, SS Control Department, September 26.
Robert B. Strickland, Dispatching Department, September 26.
Claude D. Langley, Utilities Administration, September 27.
Clifford Patrick, Janitors Department, September 27.

10 YEARS

Joe B. Tallent, Utilities Administration, September 23.
Nonda W. Evans, Utilities Administration, September 23.
Floyd J. Womack, Tool Grinding Department, September 27.
Leo L. Brown, General Mechanical Engineering, September 27.
James L. Messenger, Utilities Administration, September 27.
Robert S. McGinnis, Secondary Quality Control, September 27.
John J. Henry, Laboratory Development, September 27.
Jesse H. Thomas, Utilities Administration, September 27.
Ronald M. Hughes, Physical Testing Department, September 28.
Richard H. Edington, Utilities Administration, September 29.
Andrew W. Maxey, Chemical Engineering Development, September 29.

ONE ALONE

Australia is the only country in the world that occupies an entire continent.

One way to make a long story short . . . try telling it to a traffic officer.

AMHS Thursday Meet In Knoxville

The American Material Handling Society will hold its first meeting of the 1964-65 season at the Lazy Susan Restaurant, Knoxville, Thursday, September 24. Dinner is slated for 6:30 p.m., with the technical session at 7:30.

This year's president is J. C. Thompson Jr., Mechanical Inspection. Other Carbide officers include T. C. Swindell, Tool Design, secretary-treasurer; W. A. Brickey Jr., Purchasing, national committeeman; S. E. McCoy, Mechanical Inspection, and W. G. Butturini, executive committee members.

The AMHS is composed of persons in East Tennessee associated with material handling techniques, and is devoted to the improvement of equipment and development of methods of material handling on a general basis. Its members through their association with others in the related field, and through monthly technical sessions are kept abreast of the vastly changing industrial field. Field trips, workshops, and visiting authorities on the subject, keep members informed on changing developments.

Last year's programs included such items as the 100-yard shovel at Paradise, Kentucky . . . the Pirax system in use at Westinghouse . . . and the vast conveyor system at Standard Knitting Mills. Projected programs for this year are pallet loaded material, a forum on material handling in East Tennessee, and a trip to the Enka plant, Morristown.

NON-ALLIANCE

Switzerland, the Alpine country of Europe, enters into no military alliance and is not a member of the United Nations, or NATO.

Molecular Biology Lab Added In Y-12

A new Molecular Biology Laboratory has been completed in Y-12 to advance research on the relationship between the physical characteristics of nucleic acids and their biological functions.

Atomic Energy Commission programs of research scheduled for the new laboratory will be carried out by the Biology Division of Oak Ridge National Laboratory.

The new facility, located in an existing building in Y-12, covers approximately 4,600 square feet of floor space, and includes three laboratories, three darkrooms, an instrument room, and a large refrigerated room. Specialized equipment such as analytical ultracentrifuges and temperature control recording devices are provided.

Completion of the Molecular Biology Laboratory will help implement further advances in the AEC's program of studies now under way in nucleic acid chemistry, nucleic acid enzymology, enzymology, biophysics and cytology and genetics.

Society For Metals Meeting Is Tonight

The Oak Ridge Chapter of the American Society for Metals will meet tonight, September 23, at the Holiday Inn, with the social hour beginning at 6:15 p.m. Dinner will be served at 6:45 and the technical session begins at 8.

Featured speaker is R. J. Carlson, Battelle Memorial Institute, who will speak on "Explosive Metalworking."

He will cover three areas of metal fabrication where explosives are used as a major part of the process. These are explosive forming, explosive welding, and explosive powder compaction.

During his association with Battelle, he has coauthored over 40 topical reports to the Atomic Energy Commission, Department of Defense, and industrial sponsors and published many technical papers in the open literature.

As an added attraction ASM people will hear Haywood Harris, Publicity Director of the University of Tennessee, speak on the Vol's athletic program.

All ASM members and interested personnel are invited to attend. Reservations are made through Joseph W. Tackett, telephone 6571.

Electron-Cyclotron Heat Is Thermonuclear Topic

The Thermonuclear Division's seminar this week will be on "A Progress Report of Electron-Cyclotron Heating" by R. A. Dandl and H. O. Eason. A. C. England will also discuss "Progress Report of Electron-Cyclotron Heating in Europe."

The seminar will be held in the Thermonuclear Division Conference Room, Building 9201-2, at 9 a.m. Thursday, September 24.

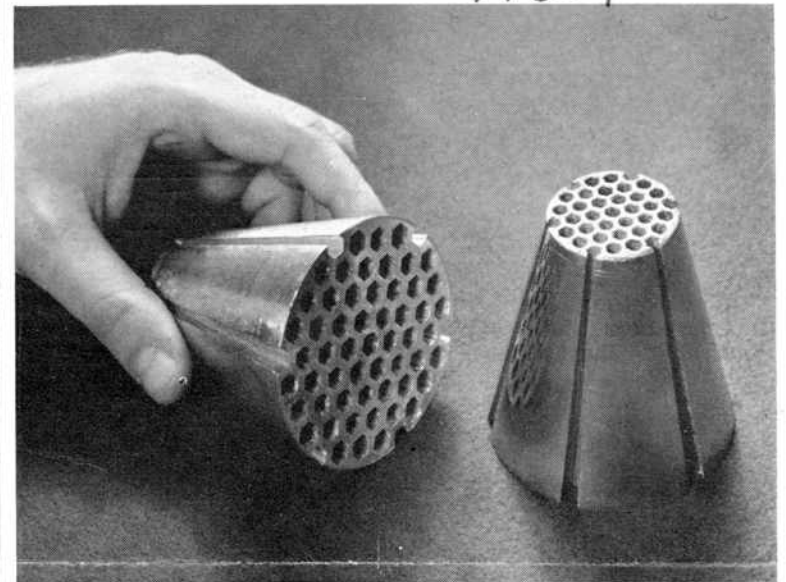
ONE GIFT

THE UNITED WAY

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R. L. LUDWIG AND R. C. ANDERSON examine solid gold collimators to be used in medical diagnostic equipment. The Collimators, cast in Y-12, are to be used by the National Institutes of Health, Bethesda, Maryland, with a radioisotope scanning device to locate diseased areas in patients.



THESE 24-KARAT GOLD COLLIMATORS perform the vital function of directing radiation from a small region in the patient's body to the detector crystal in the scanner. This enables an accurate identification of diseased areas in a person's body.

Solid Gold Collimators Made In Y-12 For Medical Research

Two pure gold collimators used in medical diagnostic equipment have been fabricated in Y-12.

The collimators, designed by Oak Ridge National Laboratory, will be used by the National Institutes of Health, Bethesda, Maryland, in a radioisotope scanning device to locate diseased areas in patients.

The scanning process consists of giving a patient an oral or intravenous dose of a gamma ray-emitting pharmaceutical. Then the substance is tracked in the body and compared with a normal distribution of the dose.

Defects Abnormalities

As the scanner moves in a prescribed pattern over the patient, the radioactivity distribution is recorded on film or paper. A comparison with the radioactivity of a normal situation would detect any disease conditions such as a tumorous growth.

The collimator performs the vital function of directing radiation from a small region in the patient's body to a large detector crystal in the scanner. Twenty-four-karat gold is best for shielding out radiations which originate outside the small region of interest.

Y-12's Casting Experience

Y-12 was requested to fabricate the collimators because of its experience in casting. The difficulty was in maintaining desired dimensions and structural strength of the thin walls in the

37-channel collimator. The method used, investment processing, is an old process, but special handling techniques were added to insure successful casting.

A total of six other gold collimators — including 37-channel and 61-channel types — were made here in the plant. Those are presently in use at NIH, the Medical Division of the Oak Ridge Institute of Nuclear Studies, and ORNL's Thermonuclear Division.

Playhouse To Hold Dinner-Dance Friday

The Oak Ridge Community Playhouse will hold its annual fall dance this Friday, September 25, at the Oak Ridge Country Club. Bill Scarlett's orchestra will furnish music for the affair. A one-act play will be given.

The general public is invited. Tickets (\$4.50 per person) are available from the Playhouse box office, Jackson Square.

Joint Physics-Solid State Seminar Is Set

A joint Physics and Solid State Divisions seminar will be on Friday, September 25. The subject is "Tunnelling in Superconductors," led by J. M. Rowell, Bell Telephone Laboratories.

The seminar is slated for 3:15 p.m. Friday, in the East Auditorium of Oak Ridge National Laboratory's 4500N building.



WE'VE SEEN IT . . . and still don't believe it! That's a stalk of okra . . . says Ardill Griffith, at right, Y-12's Laundry. It's called German okra, and Griffith grew it at his Route 2, Oliver Springs address . . . says the giant okra is very good. In fact, he says he has put a heap of it in his deepfreeze. That's pretty Betty Brown helping Griffith hold the rare, giant vegetable.